

## REMARKS

Claims 1-22 are now pending in the application and stand rejected. The Examiner is respectfully requested to reconsider and withdraw the rejections in view of the amendments and remarks contained herein.

### REJECTION UNDER 35 U.S.C. § 103

Claims 1, 3, 5, 9, 11, 14 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over McElreath (U.S. Pat. No. 6,401,013) in view of Schmidt et al. (U.S. Pat. No. 6,122,575) and further in view of Gimbert et al. (U.S. Pat. Pub. No. 2003/0014426) ("Gimbert"). This rejection is respectfully traversed.

Claim 1 is amended to recite "... a configuration file resident in said portable computer, the configuration file having one or more parameters associated with said data from one or more modules of the aircraft components; a translation file resident in said portable computer, the translation file providing a system call for informing a current application that data associated with a parameter is about to be fetched from said configuration file, the translation file further including commands for providing data for one or more parameters that are determined to be missing from said configuration file; and a construct processing module of a web server software module resident in said computer to update one or more web pages using one or more constructs; the processor and memory configured to, when the portable computer is operating standalone: execute said system call to inform said construct processing module that data associated with a given parameter is about to be fetched from said configuration

file; determine whether the given parameter is missing from said configuration file based on a status of said system call; if the given parameter is determined to be missing, execute a command from said translation file to provide data associated with said missing parameter to said construct processing module; execute the web server module to include at least some of the retrieved data in one or more web page markups for providing a plurality of maintenance and/or engineering functions selectable by a user of the computer and performable via the computer as to one or more of the components of the aircraft; and execute a web browser module resident in the portable computer and in communication with the server module to display the one or more web page markups as one or more web pages on a display of the portable computer."

Independent claim 9 is amended to recite "...a configuration file configured in the computer to receive data transmitted from the one or more aircraft components to populate a plurality of parameters in the configuration file associated with the data; a translation file configured in the computer and providing a system call for informing a current application that data associated with a parameter is about to be fetched from the configuration file, the translation file further including one or more commands for providing data for one or more parameters determined not to be present in the configuration file; and a web server software module residing on the computer and having a construct processing module, the server and construct processing module configured to use one or more constructs to dynamically format at least some of the data from the configuration file in one or more web pages for presentation by a web browser resident in the computer to a user of the computer via a display of the computer, the computer configured to, when operating standalone: execute the system

call to inform the construct processing module that data associated with a given parameter is about to be fetched from the configuration file; based on a status of the system call, determine whether the given parameter is present in the configuration file; and if the given parameter is determined not to be present, execute a command from the translation file to provide data for the given parameter; at least one of the web pages dynamically formattable using the parameter data to indicate aircraft hardware components and software subcomponents potentially affected by one of the maintenance actions."

Independent claim 14 is amended to recite "...connecting a portable computer to the aircraft for communication with one or more software modules resident in one or more components of the aircraft, the computer having resident therein: (a) a configuration file including a plurality of parameters populatable with data from the aircraft, (b) a translation file providing a system call for informing a current application that data associated with a parameter is about to be fetched from the configuration file, the translation file further including one or more commands for providing data for one or more parameters determined not to be included in the configuration file. (c) a web browser software module, and (d) a web server software module having a construct processing module that uses constructs to update web pages for service by the web server module to the web browser module; operating the computer to retrieve from the one or more modules data describing (a) one or more hardware components of the aircraft and (b) software resident in the one or more hardware components, and to use the retrieved data to populate at least some of the configuration file parameters; and using the browser module, viewing the retrieved data and one or more user-selectable

management functions relating to the retrieved data on a display of the computer in one or more web pages formatted and displayed by a processor of the computer, the one or more web pages formatted by the server and construct processing module using data provided by execution of one or more of the translation file commands based on a determination by the computer, after execution of the system call and based on a status of the system call, that a parameter is missing from the configuration file; the method performed without accessing the Internet.”

McElreath discloses a laptop PC intermittently coupled to avionics equipment on board and aircraft (abstract). Gimbert discloses information about aircraft design. Neither McElreath nor Gimbert show specifically how web pages might be constructed. For at least this reason, neither McElreath nor Gimbert teach or suggest the recitations of claim 1, 9, or 14 as amended.

Claims 4 and 13 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over the combination of McElreath (U.S. Pat. No. 6,401,013), Gimbert et al. (U.S. Pat. Pub. No. 2003/0014426), and Schmidt et al. (U.S. Pat. No. 6,122,575) in further view of Brady, Jr. et al. (U.S. Pat. Pub. No. 2003/0217363). This rejection is respectfully traversed.

As previously discussed, neither McElreath nor Gimbert show specifically how web pages might be constructed. For at least this reason, neither McElreath nor Gimbert teach or suggest the recitations of claims 1 or 9 as amended. Accordingly Applicant submits that claims 4 and 13 (dependent on claims 1 and 9 respectively) are not obvious in view of McElreath and Gimbert.

Additionally, claim 4 is amended to recite the “apparatus of claim 1, wherein, if the given parameter is determined to be missing, the data associated with the given parameter is not retrievable from the aircraft components.” Claim 13 is amended to recite “...the construct processing module configured to obtain data from the configuration file using a common gateway interface (CGI) of the server that does not interface with an internet.” Neither McElreath nor Gimbert teach or suggest the recitations of claims 4 or 13 as amended.

Claims 2, 7, 8, 10, and 15-16 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over the combination of McElreath (U.S. Pat. No. 6,401,013), Gimbert et al. (U.S. Pat. Pub. No. 2003/0014426), and Schmidt et al. (U.S. Pat. No. 6,122,575) in further view of Brady, JR. et al. (U.S. Pat. Pub. No. 2003/0208579). This rejection is respectfully traversed.

As previously discussed, neither McElreath nor Gimbert show specifically how web pages might be constructed. For at least this reason, neither McElreath nor Gimbert teach or suggest the recitations of claims 1, 9 or 14 as amended. Accordingly Applicant submits that claims 2, 7, 8, 10, and 15-16 (dependent on claims 1, 9 and 14 respectively) are not obvious in view of McElreath and Gimbert.

Claims 17 and 19-21 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Schmidt et al. (U.S. Pat. No. 6,122,575) (“Schmidt”) in view of Gimbert et al. (U.S. Pat. Pub. No. 2003/0014426) (“Gimbert”) and further in view of Brady, JR. et al. (U.S. Pat. Pub. No. 2003/0208579) (“Brady ‘579”). This rejection is respectfully traversed.

Independent claim 17 is amended to recite “...the processor causing the portable computer to access one or more components of an aircraft and to retrieve data from the one or more components in response to a user request received via a web browser software module and web server software module resident in the portable computer, the server module including a construct processing module for updating web pages using one or more constructs; the processor using the retrieved data to populate at least some of a plurality of parameters in a configuration file of the computer, the computer further including a translation file providing one or more system calls for informing a current application that data associated with a parameter is about to be fetched from the configuration file, one of the system calls further informing the current application that data associated with a given parameter is to be calculated and stored in the configuration file before being fetched from the configuration file, the translation file further including one or more commands for providing data for one or more parameters determined not to be included in the configuration file; the processor executing the one of the system calls to inform the construct processing module that data associated with the given parameter is about to be calculated and fetched from the configuration file, and based on a status of the one of the system calls, determining whether the given parameter is included in the configuration file, and based on the determining, executing a command from the translation file to provide data for the given parameter; the processor executing the web server module to dynamically format at least some of the data retrieved from the one or more aircraft components into one or more web page markups for display as one or more web pages via the browser module; the processor receiving user input via the browser module indicating a management function to be

performed on at least one of the one or more aircraft components; and the processor causing software to be downloaded from the portable computer to the at least one of the one or more components in response to the user input."

Schmidt discloses a portable computer that compares fault data to predetermined fault patterns stored in a database (abstract). There does not appear to be any discussion in Schmidt of browser web pages or their construction. Brady '579 discloses a system for updating software configurations of LRU computers (abstract). There does not appear to be any discussion in Schmidt, Gimbert, or in Brady '579 of construction of browser web pages. For at least this reason, the cited references do not teach or suggest the recitations of amended claim 17 or of claims 19-21 dependent on claim 17.

Claim 22 stands rejected under 35 U.S.C. § 103(a) as being unpatentable over Schmidt et al. (U.S. Pat. No. 6,122,575) in view of Gimbert et al. (U.S. Pat. Pub. No. 2003/0014426) in view of Brady, JR. et al. (U.S. Pat. Pub. No. 2003/0208579) ("Brady '579") and further in view of Brady, JR. et al. (U.S. Pat. Pub. No. 2003/0217363) ("Brady '363"). This rejection is respectfully traversed.

As previously discussed, there does not appear to be any discussion in Schmidt, Gimbert, or in Brady '579 of construction of browser web pages. For at least this reason, the cited references do not teach or suggest the recitations of amended claim 17 or of claim 22 dependent on claim 17.

Claims 6, 12 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the combination of McElreath, Gimbert, and Schmidt, and further in view of Official Notice. This rejection is respectfully traversed.

As previously discussed with reference to independent claims 1 and 9 (upon which claims 6 and 12 respectively depend), the cited references do not teach or suggest the recitations of amended claims 1 or 9. Accordingly claims 6 and 12 also should be allowable over the cited references.

Claim 18 is rejected under 35 U.S.C. § 103(a) as being unpatentable over the combination Schmidt, Gimbert, and Brady, and further in view of Official Notice. This rejection is respectfully traversed.

As previously discussed, there does not appear to be any discussion in Schmidt, Gimbert, or in Brady '579 of construction of browser web pages. For at least this reason, the cited references do not teach or suggest the recitations of amended claim 17 or of claim 18 dependent on claim 17.

#### **CONCLUSION**

It is believed that all of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicant therefore respectfully requests that the Examiner reconsider and withdraw all presently outstanding rejections. It is believed that a full and complete response has been made to the outstanding Office Action and the present application is in condition for allowance. Thus, prompt and favorable consideration of this amendment is respectfully requested.

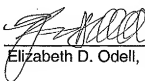


If the Examiner believes that personal communication will expedite prosecution of this application, the Examiner is invited to telephone the undersigned at (314) 726-7500.

Respectfully submitted,

Dated: December 10, 2009

By:



Elizabeth D. Odell, Reg. No. 39,532

HARNESS, DICKEY & PIERCE, P.L.C.  
P.O. Box 828  
Bloomfield Hills, Michigan 48303  
(248) 641-1600

EDO/nr

15230038.1